

AMENDMENTS TO THE CLAIMS

1. (original) Process for the preparation of storage-stable, multiple emulsions of the water/oil/water (W/O/W) type which comprise one or more active ingredients with the steps
 - a) stirring the active ingredient into an aqueous phase,
 - b) emulsifying the aqueous phase by passing the aqueous phase through a large-pored, porous membrane into an oil phase,
 - c) phase inversion of the emulsion from b), by cooling the mixture at a cooling rate of at least 0.3 K/min, where an emulsifier is added either to the aqueous phase in a) or to the oil phase in b) or to both phases.
2. (currently amended) Process according to Claim 1, ~~characterized in that~~ wherein the membrane used is a porous inorganic membrane, ~~preferably ceramic membrane, particularly preferably membranes of aluminium oxide, zirconium oxide or titanium oxide, preferably of aluminium oxide.~~
3. (currently amended) Process according to Claim[[s]] 1 ~~to 2~~, ~~characterized in that~~ wherein the pore size of the membrane used is 0.2 to 5 μm , ~~preferably 0.3 to 3 μm .~~
4. (currently amended) Process according to ~~one of~~ Claim[[s]] 1 ~~to 3~~, ~~characterized in that~~ wherein the oil used for the oil phase is a substance chosen from the series mineral oil, white oil or vegetable oil.

5. (currently amended) Process according to ~~one of Claim[[s]] 1 to 4~~, characterized in that wherein the emulsifier used is a nonionic emulsifier which is initially introduced in the oil phase.
6. (currently amended) Process according to ~~one of Claim[[s]] 1 to 5~~, characterized in that wherein the emulsification in step a) is carried out at a temperature of from 30 to 35°C.
7. (currently amended) Process according to ~~one of Claim[[s]] 1 to 6~~, characterized in that wherein the phase inversion according to step c) is carried out at a cooling rate of at least 1 K/min.
8. (currently amended) Process according to ~~one of Claim[[s]] 1 to 7~~, characterized in that wherein the pressure difference over the membrane is $0.5 \cdot 10^5 \text{ Pa}$ to $25 \cdot 10^5 \text{ Pa}$, preferably $0.15 \cdot 10^5 \text{ Pa}$ to $5 \cdot 10^5 \text{ Pa}$.
9. (currently amended) Process according to ~~one of Claim[[s]] 1 to 8~~, characterized in that wherein the process is carried out continuously in all steps.
10. (currently amended) Process according to ~~one of Claim[[s]] 1 to 9~~, characterized in that wherein the active ingredient is a pharmaceutical active ingredient, preferably a

~~pharmaceutical active ingredient for veterinary purposes, particularly preferably an antigen for a vaccine formulation.~~

11. (currently amended) Process according to Claim 10, ~~characterized in that~~ wherein the active ingredient is ~~chosen from the series comprising~~ comprises an antigen, ~~preferably a virus or a microorganism, in particular a bacterium or parasite, or a preparation which comprises a peptide chain, preferably a protein or a glycoprotein, particularly preferably a protein or a glycoprotein which has been obtained from a microorganism, a synthetic peptide or a protein or peptides which has been prepared by genetic manipulation.~~
12. (currently amended) Multiple emulsion of the W/O/W type obtainable from a process according to ~~one of Claim~~ Claim[[s]] 1 ~~to 11~~.
13. (currently amended) ~~Use of the emulsion according to Claim 12 as~~ A vaccine for human or veterinary medical purposes comprising an emulsion of claim 12.
14. (new) Process of Claim 1 wherein said membrane is a ceramic membrane.
15. (new) Process of Claim 14, wherein said ceramic membrane comprises aluminum oxide, zirconium oxide and/or titanium oxide.
16. (new) Process of Claim 1, wherein the pore size of the membrane is 0.3 to 3 μm .

17. (new) Process of claim 10, wherein said active ingredient comprises an active ingredient for veterinary purposes.
18. (new) Process of claim 10, wherein said active ingredient comprises an antigen for a vaccine formulation.
19. (new) Process of claim 11, wherein said antigen comprises a virus or a microorganism and said peptide chain comprises a protein or a glycoprotein.
20. (new) Process according to Claim 10, wherein the active ingredient comprises at least one of a bacterium, a parasite, a glycoprotein which has been obtained from a microorganism, a synthetic peptide, and/or a protein or peptide which has been prepared by genetic manipulation.